

What is Claimed is:

- Sub 1
1. A magnetic motor comprising:  
a plurality of rotor magnets positioned along a rotor and attached to a main shaft;  
a plurality of drive magnets positioned along a drive magnet hub and located  
5 generally inside the rotor;  
the drive magnet hub being laterally movable into and out of the inside of the  
rotor for controlling torque and speed of the shaft.
  2. The magnetic motor of claim 1 further comprising a timing mechanism for  
receiving power and generating power pulses selectively supplied to each rotor magnet.
  - 10 3. The magnetic motor of claim 1 wherein the drive magnet hub is laterally  
removable by a plunger mechanism.
  4. The magnetic motor of claim 3 wherein the plunger is operated by a hydraulic  
control mechanism.
  5. The magnetic motor of claim 1 wherein the plurality of drive magnets each  
15 further comprise a magnet coil being longitudinally wound around the magnet.
  6. The magnetic motor of claim 1 wherein each of the drive magnets further  
comprises a pair of recharge plates mounted on opposite poles thereof.
  7. The magnetic motor of claim 1 wherein each of the plurality of rotor magnets  
further comprises a pair of rotor magnet recharge plates mounted on opposite poles thereof.

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